

FORM PTO-14 INFORMATION DISCLOSURE STATEMENT <small>SEARCHED</small> <small>INDEXED</small> <small>SERIALIZED</small> <small>FILED</small>		ATTY. DOCKET NO. 0652.2260001/EKS/AES		APPLICATION NO. 09/881,736	
		APPLICANT GLOTZER et al.			
		FILING DATE June 18, 2001		GROUP 1653	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	Adams, R.R. et al., "pavarotti encodes a kinesin-like protein required to organize the central spindle and contractile ring for cytokinesis," <i>Genes Dev.</i> 12:1483-1494, Cold Spring Harbor Laboratory Press (1998). <i>Duplicate</i>
	AS	1	Aktories, K. and Hall, A., "Botulinum ADP-ribosyltransferase C: a new tool to study low molecular weight GTP-binding proteins," <i>Trends Pharmacol. Sci.</i> 10:415-418, Elsevier Science Publishers Ltd. (1989).
	AT	1	Bosher, J.M. and Labouesse, M., "RNA interference: genetic wand and genetic watchdog," <i>Nat. Cell Biol.</i> 2:E31-E36, Macmillan Publishers, Ltd. (February 2000).

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

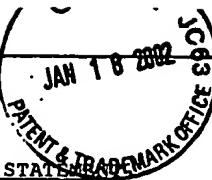
	AR	2	Boulianne, G.L. et al., "Production of functional chimaeric mouse/human antibody," <i>Nature</i> 312:643-646, Macmillan Publishing Group, Ltd. (1984).
	AS	2	Busson, S. et al., "Dynein and dyneactin are localized to astral microtubules and at cortical sites in mitotic epithelial cells," <i>Curr. Biol.</i> 8:541-544, Current Biology Ltd. (1998).
	AT	2	Cao, L.-g. and Wang, Y.-l., "Signals from the Spindle Midzone Are Required for the Stimulation of Cytokinesis in Cultured Epithelial Cells," <i>Mol. Biol. Cell</i> 7:225-232, The American Society for Cell Biology (1996).

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FORM PTO-1449

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AL							Yes No
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AR	3	Carmena, M. et al., "Drosophila Polo Kinase Is Required for Cytokinesis," <i>J. Cell Biol.</i> 143:659-671, The Rockefeller University Press (1998).
AS	3	Carminati, J.L. and Stearns, T., "Microtubules Orient the Mitotic Spindle in Yeast through Dynein-Dependent Interactions with the Cell Cortex," <i>J. Cell Biol.</i> 138:629-641, The Rockefeller University Press (1997).
AT	3	Case, R.B. et al., "Role of the kinesin neck linker and catalytic core in microtubule-based motility," <i>Curr. Biol.</i> 10:157-160, Elsevier Science Ltd. (January 2000).

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AL							Yes No
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AN							Yes No
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AR	4	Castrillon, D.H. and Wasserman, S.A., "diaphanous is required for cytokinesis in <i>Drosophila</i> and shares domains of similarity with the products of the <i>limb deformity</i> gene," <i>Development</i> 120:3367-3377, The Company of Biologists Limited (1994).
AS	4	Chang, F. et al., "cdc12p, a Protein Required for Cytokinesis in Fission Yeast, Is a Component of the Cell Division Ring and Interacts with Profilin," <i>J. Cell Biol.</i> 137:169-182, The Rockefeller University Press (1997).
AT	4	Chui, K.K. et al., "Roles of Two Homotetrameric Kinesins in Sea Urchin Embryonic Cell Division," <i>J. Biol. Chem.</i> 275:38005-38011, The American Society for Biochemistry and Molecular Biology, Inc. (December 2000).

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AL							Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	5	Drechsel, D.N. et al., "A requirement for Rho and Cdc42 during cytokinesis in Xenopus embryos," <i>Curr. Biol.</i> 7:12-23, Current Biology Ltd. (1996).
	AS	5	Dutaytre, H. et al., "Cytokinesis arrest and redistribution of actin-cytoskeleton regulatory components in cells expressing the Rho GTPase CDC42Hs," <i>J. Cell Sci.</i> 109:367-377, The Company of Biologists Limited (1996).
	AT	5	Echard, A. et al., "Interaction of a Golgi-Associated Kinesin-Like Protein with Rab6," <i>Science</i> 279:580-585, The American Association for the Advancement of Science (1998).

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AL							Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	6	Eckley, D.M. et al., "Chromosomal Proteins and Cytokinesis: Patterns of Cleavage Furrow Formation and Inner Centromere Protein Positioning in Mitotic Heterokaryons and Mid-anaphase Cells," <i>J. Cell Biol.</i> 136:1169-1183, The Rockefeller University Press (1997).
AS	6	Evangelista, M. et al., "Bnlp, a Yeast Formin Linking Cdc42p and the Actin Cytoskeleton During Polarized Morphogenesis," <i>Science</i> 276:118-122, The American Association for Advancement of Science (1997).
AT	6	Field, C. et al., "Cytokinesis in eukaryotes: a mechanistic comparison," <i>Curr. Opin. Cell Biol.</i> 11:68-80, Elsevier Science Ltd. (February 1999).

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AL							Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	7	Fire, A. et al., "Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> ," <i>Nature</i> 391:806-811, Macmillan Publishers, Ltd. (1998). <i>Duplicate</i>
	AS	7	Fire, A., "RNA-triggered gene silencing," <i>Trends Genet.</i> 15:358-363, Elsevier Science Ltd. (September 1999).
	AT	7	Fontijn, R.D. et al., "The Human Kinesin-Like Protein RB6K Is under Tight Cell Cycle Control and Is Essential for Cytokinesis," <i>Mol. Cell. Biol.</i> 21:2944-2955, American Society for Microbiology (April 2001).

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AL							Yes No
AM							Yes No
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AP							Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	8	Fujiwara, T. et al., "Bnlp Regulates Microtubule-Dependent Nuclear Migration through the Actin Cytoskeleton in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 19:8016-8027, American Society for Microbiology (December 1999).
AS	8	Gentz, R. et al., "Bioassay for trans-activation using purified human immunodeficiency virus tat-encoded protein: Trans-activation requires mRNA synthesis," <i>Proc. Natl. Acad. Sci. USA</i> 86:821-824, The National Academy of Sciences (1989).
AT	8	Giansanti, M.G. et al., "Cooperative interactions between the central spindle and the contractile ring during <i>Drosophila</i> cytokinesis," <i>Genes Dev.</i> 12:396-410, Cold Spring Harbor Laboratory Press (1998).

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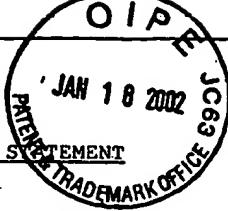
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AL							Yes No
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AP							Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	9	Glotzer, M., "Cytokinesis," <i>Curr. Biol.</i> 7:R274-R276, Current Biology Ltd. (1997).
AS	9	Glotzer, M., "The mechanism and control of cytokinesis," <i>Curr. Opin. Cell Biol.</i> 9:815-823, Current Opinion Ltd. (1997).
AT	9	Gönczy, P. et al., "Dissection of Cell Division Processes in the One Cell Stage <i>Caenorhabditis elegans</i> Embryo by Mutational Analysis," <i>J. Cell Biol.</i> 144:927-946, The Rockefeller University Press (March 1999).

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	10	Gönczy, P. et al., "Cytoplasmic Dynein is Required for Distinct Aspects of MTOC Positioning, Including Centrosome Separation, in the One Cell Stage <i>Caenorhabditis elegans</i> Embryo," <i>J. Cell Biol.</i> 147:135-150, The Rockefeller University Press (October 1999).
	AS	10	Graziano, R.F. et al. "Construction and Characterization of a Humanized Anti- $\gamma$ -Ig Receptor Type I (Fc $\gamma$ RI) Monoclonal Antibody," <i>J. Immunol.</i> 155:4996-5002, The American Association of Immunologists (1995).
	AT	10	Hazlett, T.L. et al., "Solution Dynamics of p21 <sup>ras</sup> Proteins Bound with Fluorescent Nucleotides: A Time-Resolved Fluorescence Study," <i>Biochemistry</i> 32:13575-13583, American Chemical Society (1993).

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AL							Yes No
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	AR	11	Hill, E. et al., "The Rab6-binding kinesin, Rab6-KIF1, is required for cytokinesis," EMBO J. 19:5711-5719, European Molecular Biology Organization (November 2000). <i>Duplicate</i>
	AS	11	Hirose, K. et al., "MgcRacGAP Is Involved in Cytokinesis through Associating with Mitotic Spindle and Midbody," J. Biol. Chem. 276:5821-5828, The American Society for Biochemistry and Molecular Biology, Inc. (February 2001).
	AT	11	Hurley, J.H. and Meyer, T., "Subcellular targeting by membrane lipids," Curr. Opin. Cell Biol. 13:146-152, Elsevier Science Ltd. (April 2001).

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AR	12	Hyman, A.A., "Centrosome Movement in the Early Divisions of <i>Caenorhabditis elegans</i> : A Cortical Site Determining Centrosome Position," <i>J. Cell Biol.</i> 109:1185-1193, The Rockefeller University Press (1989).
AS	12	Hyman, A.A. and White, J.G., "Determination of Cell Division Axes in the Early Embryogenesis of <i>Caenorhabditis elegans</i> ," <i>J. Cell Biol.</i> 105:2123-2135, The Rockefeller University Press (1987).
AT	12	Imamura, H. et al., "Bnlp and Bnrlp: downstream targets of the Rho family small G-proteins which interact with profilin and regulate actin cytoskeleton in <i>Saccharomyces cerevisiae</i> ," <i>EMBO J.</i> 16:2745-2755, Oxford University Press (1997).

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AR	13	Jantsch-Plunger, V. and Glotzer, M., "Depletion of syntaxins in the early <i>Caenorhabditis elegans</i> embryo reveals a role for membrane fusion events in cytokinesis," <i>Curr. Biol.</i> 9:738-745, Current Biology Ltd. (June 1999).
AS	13	Jantsch-Plunger, V. et al., "CYK-4: A Rho Family GTPase Activating Protein (GAP) Required for Central Spindle Formation and Cytokinesis," <i>J. Cell Biol.</i> 149:1391-1404, The Rockefeller University Press (June 2000).
AT	13	Kaitna, S. et al., "Incenp and an Aurora-like kinase form a complex essential for chromosome segregation and efficient completion of cytokinesis," <i>Curr. Biol.</i> 10:1172-1181, Elsevier Science Ltd. (September 2000).

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FORM PTO-144 INFORMATION DISCLOSURE STATEMENT PATENT & TRADEMARK OFFICE		ATTY. DOCKET NO. 0652.2260001/EKS/AES	APPLICATION NO. 09/881,736
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AR	<u>14</u>	Kishi, K. et al., "Regulation of Cytoplasmic Division of <i>Xenopus</i> Embryo by rho p21 and Its Inhibitory GDP/GTP Exchange Protein (rho GDI)," <i>J. Cell Biol.</i> 120:1187-1195, The Rockefeller University Press (1993).
AS	<u>14</u>	Kosako, H. et al., "Specific accumulation of Rho-associated kinase at the cleavage furrow during cytokinesis: cleavage furrow-specific phosphorylation of intermediate filaments," <i>Oncogene</i> 18:2783-2788, Stockton Press (April 1999).
AT	<u>14</u>	Kull, F.J. et al., "Crystal structure of the kinesin motor domain reveals a structural similarity to myosin," <i>Nature</i> 380:550-555, Macmillan Publishers Ltd. (1996).

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0652.2260001/EKS/AES	APPLICATION NO. 09/881,736
		APPLICANT GLOTZER et al.	
		FILING DATE June 18, 2001	GROUP 1653

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AL							Yes No
AM							Yes No
AN							Yes No
AO							Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	15	Kuriyama, R. et al., "Heterogeneity and microtubule interaction of the CHO1 antigen, a mitosis-specific kinesin-like protein. Analysis of subdomains expressed in insect sf9 cells," J. Cell Sci. 107:3485-3499, The Company of Biologists Limited (1994).
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AM							Yes No
AN							Yes No
AO							Yes No
AP							Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	16	Lee, K.S. et al., "Plk Is an M-Phase-Specific Protein Kinase and Interacts with a Kinesin-Like Protein, CHO1/MKLP-1," Mol. Cell. Biol. 15:7143-7151, American Society for Microbiology (1995).
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AT	16	Mabuchi, I. et al., "A rho-like protein is involved in the organisation of the contractile ring in dividing sand dollar eggs," Zygote 1:325-331, Cambridge University Press (1993).

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AN							Yes No
AO							Yes No
AP							Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	17	Mackay, A.M. et al., "A Dominant Mutant of Inner Centromere Protein (INCENP), a Chromosomal Protein, Disrupts Prometaphase Congression and Cytokinesis," <i>J. Cell Biol.</i> 140:991-1002, The Rockefeller University Press (1998). <i>Dupl. 10/02</i>
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AR	<u>18</u>		Mello, C.C. et al., "Efficient gene transfer in <i>C.elegans</i> : extrachromosomal maintenance and integration of transforming sequences," EMBO J. 10:3959-3970, Oxford University Press (1991).				
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AL							Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	19	Neuberger, M.S. et al., "Recombinant antibodies possessing novel effector functions," <i>Nature</i> 312:604-608, Macmillan Publishers Ltd. (1984).
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	20	O'Connell, C.B. et al., "The Small GTP-binding Protein Rho Regulates Cortical Activities in Cultured Cells during Division," <i>J. Cell Biol.</i> 144:305-313, The Rockefeller University Press (January 1999).
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0652.2260001/EKS/AES	APPLICATION NO. 09/881,736
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AR	21	Prokopenko, S.N. et al., "A putative exchange factor for Rhol GTPase is required for initiation of cytokinesis in <i>Drosophila</i> ," <i>Genes Dev.</i> 13:2301-2314, Cold Spring Harbor Laboratory Press (September 1999).
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	22	Reddien, P. and Horvitz, H.R., "CED-2/CrkII and CED-10/Rac control phagocytosis and cell migration in <i>Caenorhabditis elegans</i> ," <i>Nat. Cell Biol.</i> 2:131-136, Macmillan Publishers Inc. (March 2000).
AS	22	Rice, S. et al., "A structural change in the kinesin motor protein that drives motility," <i>Nature</i> 402:778-784, Macmillan Publishers Inc. (December 1999).
AT	22	Riechmann, L. et al., "Reshaping human antibodies for therapy," <i>Nature</i> 332:323-327, Macmillan Publishers Inc. (1988).

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AR	23	Rieder, C.L. et al., "Mitosis in vertebrate somatic cells with two spindles: Implications for the metaphase/anaphase transition checkpoint and cleavage," Proc. Natl. Acad. Sci. USA 94:5107-5112, The National Academy of Sciences (1997).
AS	23	Sablin, E.P. et al., "Crystal structure of the motor domain of the kinesin-related motor ncd," Nature 380:555-559, Macmillan Publishers Inc. (1996).
AT	23	Savoian, M.S. et al., "Cleavage Furrows Formed between Centrosomes Lacking an Intervening Spindle and Chromosomes Contain Microtubule Bundles, INCENP, and CHO1 but Not CENP-E," Mol. Biol. Cell 10:297-311, The American Society for Cell Biology (February 1999).

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AR	24	Saxton, W.M. and McIntosh, J.R., "Interzone Microtubule Behavior in Late Anaphase and Telophase Spindles," <i>J. Cell Biol.</i> 105:875-886, The Rockefeller University Press (1987).
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AL							Yes No
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AR	26	Skop, A.R. and White, J.G., "The dynactin complex is required for cleavage plane specification in early <i>Caenorhabditis elegans</i> embryos," <i>Curr. Biol.</i> 8:1110-1116, Current Biology Ltd. (1998).
AS	26	Sugihara, K. et al., "Rac1 is required for the formation of three germ layers during gastrulation," <i>Oncogene</i> 17:3427-3433, Stockton Press (1998).
AT	26	Sulston, J.E. and Horvitz, H.R., "Post-embryonic Cell Lineages of the Nematode, <i>Caenorhabditis elegans</i> ," <i>Dev. Biol.</i> 56:110-156, Academic Press, Inc. (1977).

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	AO				1600/2000	2002	Yes No
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	AS	27	Tatsumoto, T. et al., "Human ECT2 Is an Exchange Factor for Rho GTPases, Phosphorylated in G2/M phases, and Involved in Cytokinesis," J. Cell Biol. 147:821-927, The Rockefeller University Press (November 1999).
	AT	27	Timmons, L., and Fire, A., "Specific interference by ingested dsRNA," Nature 395:854, Macmillan Publishers Inc. (1998).

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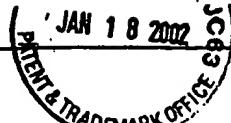
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0652.2260001/EKS/AESAPPLICATION NO.  
09/881,736APPLICANT  
GLOTZER et al.FILING DATE  
June 18, 2001GROUP  
1653

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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## FOREIGN PATENT DOCUMENTS

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AL							Yes No
AM							Yes No
AN							Yes No
AO							Yes No
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FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>		ATTY. DOCKET NO. 0652.2260001/EKS/AES		APPLICATION NO. 09/881,736	
		APPLICANT GLOTZER et al.			
		FILING DATE June 18, 2001		GROUP 1653	

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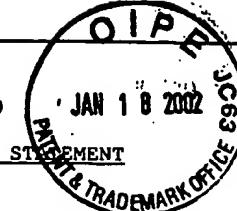
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	AT	30	Wilson, I.A. et al., "The Structure of an Antigenic Determinant in a Protein," <i>Cell</i> 37:767-778, The Massachusetts Institute of Technology (1984).

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INFORMATION DISCLOSURE STATEMENT		APPLICANT GLOTZER et al.	
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FORM PTO-144 <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0652.2260001/EKS/AES	APPLICATION NO. 09/881,736
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT PATENT & TRADEMARK OFFICE		ATTY. DOCKET NO. 0652.2260001/EKS/AES	APPLICATION NO. 09/881,736
		APPLICANT GLOTZER et al.	
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